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# NUMBERS & ODDITIES #
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-::: N&O #37 - May 2001 :::-

Hello and welcome to a new edition of N&O. This month I have a Czech and Slovak intelligence profile for you in the newsletter edition.

The input this month was very low and I hope that you won't forget to send me your findings next month. For that I thank you in advance. A big THANK YOU to those of you who supplied this month's info.

A couple of you reacted on my question about the database format on the N&O website. Looking at the reactions I decided that dBaseIV will be replaced by a plain ASCII file and that the Access databases will be continued.

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#### \* WWW INFO \*

'Intelligence Brief' with lots of news  
<http://www.intelbrief.com/>

'The Digits Project' is all about digits, digits, and.... digits  
<http://www-personal.umich.edu/~brinck/digits/>

If you are looking for Alphabets in numerous languages, be sure to check <http://www.cl.cam.ac.uk/users/bck1/menu.html>

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#### \* CUBA UPDATE \*

Albert Hussein sent us a note about the current state of Cuban Military communications as observed by him. Thanks Albert, much appreciated!

::: CW nets  
 Recently noted daytime freqs are 5390, 7800, 7968, and 8075. Albert

says that he hasn't heard any night freqs in months.

'Use of IDs is sporadic, though at least one net uses three letter calls. The whole lot changes frequencies occasionally, sometimes moving to previously used freqs. Transmitters are crap (buzz, drift, chirp). Most but not all traffic is cross band (or with out-stations too weak to hear). All traffic is hand-keyed with sloppy old Soviet style. Almost all traffic is 5-character mixed groups (5MGs) which include n-tilde (dah dah dit dah dah). I've only ever heard one or two Spanish plaintext radiogramas. The messages begin with a series of V's or long dashes to get the operator's attention, followed by NR xxx GR xx into the groups, then fills as requested by the recipient. I don't know which branch of the FAR (if any) operates these; at least some similar nets appeared to be associated with espionage operations in south Florida (the agents currently on trial in Miami); a good deal of CW traffic, most prominent being the net on 5257, suddenly disappeared when they were all arrested. On 3 May I heard a similar-sounding 2-station net on 20379 at 2230 UTC; this may have been Cuban diplo (though a bit late in the day for them), no IDs noted, and I haven't heard it since.'

::: VOICE stations

'Currently active "babbler" air-defense stations are on 6529 and 6625 kHz. The former is noted with traffic almost every evening (2200ish UTC) lately, but the signals have been quite weak. The latter has been noted mostly with just an open carrier in the local mornings, sometimes very strong, sometimes not. I think this one has multiple transmitter sites in use. Keep an ear on 5688 and 5637 also; I haven't heard them there in a while but they've been known to disappear for months then suddenly return. The maximum number of these stations heard at any one time has been four, so there may still be a couple of untraced active freqs somewhere. Some out-station traffic has been occasionally noted on both the 6 MHz freqs.'

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\* MORSE STATIONS \*

::: M07

The station is not logged often lately. It was heard at 1820 UTC on 9165 kHz. It followed a transmission at 1500 UTC on 8190 kHz of its sister station M10.

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::: M77

Another one that wasn't logged for a while is M77 (P7X). Mark and John copied the station on 8048 and 11445 kHz with 'QRA DE P7X' + 5LGs.

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::: M29 / G04

I received the following interesting log, dated 22 April.

5210 kHz, 2117 UTC, G04: 5FGx2 in progress  
5310 kHz, 2119 UTC, clear carrier  
2122 UTC, G04: testing with 2 5FGs  
2129 UTC, M29: VVV de VDE call up was clearly heard  
modulated onto the same carrier !  
2134 UTC, G04's 3-note callus and M29's VVV de VDE  
were still mixed  
5476 kHz, 2137 UTC, M29: in progress (ends with " = " and 3  
dashes (short zero's?). Has this ending  
ever been reported???

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::: M21

Takashi checked in with a quick note that M21 can be heard on 7373 and  
6300 kHz.

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::: L9CC

Contrary to earlier reports, it is still unclear if L9CC comes from the  
Moscow area or China. Looking at the reception quality here in Western  
Europe, Moscow is still my favorite. Chinese stations are never as  
strong as L9CC here. Costas copied the station on 7064.5 kHz this  
month, calling "CP17 CP17 CP17 DE L9CC L9CC V"

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::: UNID STATIONS

Igor submitted a couple of sample messages of CW stations that he  
copied on 19114 kHz and asks if they are part of M77. I haven't seen  
much M77 messages, Igor, but the ones I saw had a different format.  
Please, correct me if I am wrong.

vvv qra de i1a qsa qsa qsa zug zug zug qrk zuw zuw zuw kkk  
= i1a qra ???  
de i1a zui zui zui zui

X6L: qra de x6l kkk  
Q3E: x6l de q3e qrk 111 qsb qsb kkk  
X6L: qra de x6l qsy qsy qsy 222 kkk  
Q3E: lnne qnr tung k

X6L: q3e amga ? gr27 bt tnffm qtbvs... 5L... tnffn bt ar zuj zuj  
rrr zug zug zug ?? kk

-0-0-0-0-0-0-0-0-0-0-

\* VOICE STATIONS \*

::: S10E

The schedule as mentioned in N&O #36 was not correct. A few of you were awake and sent me a note about it. Thanks guys!

It should read:

S10E is the only one that's being heard these days. It used to transmit from Thursday to Tuesday. The May schedule should have started on Thursday 3 May, but did not start until Monday the 7th. It looks like S10E and its morse counterpart M10E have changed their schedules to Monday to Friday now. S10E's schedule is at 1300 UTC on 10642 kHz.

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::: V07

V07 was heard on Tuesday and Thursday at 0610 UTC on 9280, at 0630 UTC on 10355 kHz, and 0750 UTC on 11420 kHz. ID 234.

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::: THREE NOTE ODDITY [G04]

03.05.01 2005 UTC 4.830 kHz  
2035 UTC 4.930 kHz

Message : 80605 24652 70511 81305 24842 61435 51807 00851 53826 46340  
73004 22280 77846 88635 76827 06678 57653 68634 15474 57663  
23851 77780 44407 45144 77273 47283 25106 24818 58484 02006  
51206 06428 14541 22535 34062 21431  
= 36 groups

Remarks : No "9"

High GC

Same frequencies as in May 2000

04/00 5210 5310 <--  
05/00 4830 4930 <--  
06/00 5220 5320  
07/00 5360 5460  
08/00 5320 5420  
09/00 4760 4860  
10/00 4580 4680

11/00	4270	4370	.+'''+.
12/00	4110	4210	*+HFD+*
01/01	4120	4220	`+, , , , +'
02/01	4280	4380	
03/01	4750	4850	
04/01	5210	5310	<--
05/01	4830	4930	<--

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### ::: CHINESE STATIONS

728's transmissions were heard by our friend Igor on 16572 and 18649 kHz AM. The 4FGs were read in Chinese by a woman.

call: 316 316 316 this is 728 728 728 (R5)  
 number 15 count 8  
 8757 9610 4210 8715 6340 9174 3545 0010 (2 times each group)  
 repeat two times  
 good bye

000-format:  
 316 316 316 this is 728 728 428 (R5)  
 good bye

-0-0-0-0-0-0-0-0-0-0-

### \* OTHER MODES \*

::: FAPSI intercepts during the past months [M42]

Frequency	UTC	link	remarks
7600.4	2229		Mazielka selcall, followed by USB comms
9114	1527	80061	VNB to WQL
10546	2000		Mazielka calls
10767	1535	70004	
10767	1550	70004	
10767	1632	70007	
11072	1646		
12118	1632		
12215	1020	00132	to RNO. QSX 13848 kHz
12239	1540	70004	
12239	1641	70004	
13468	1524	80061	WQL to VNB
13470	1430	80061	
13848	1039	00132	RNO. QSX 12215 kHz
13852	1041	00132	RNO. QSX 12215 kHz
14427	1340	00918	

14457	1500	00125	
14485	1610	11063	to RD
14536	1715		Mazielka calls + ops chat
14626	1051		
14626	1055		
14820	1540	60069	
14850	1615	00012	
15822	1750		Mazielka calls
16082	1553	00099	
16152	1547	60069	
16153	0827	60047	
16236	1410	00052	
16275	0820	00051	
17463	1530	10163	to UDZ27
17465	1417	10064	
17473	0928	10163	to UDZ27
18193	0956	40034	
18523	0550	30004	
18523	1455	30044	
18752	0735		Mazielka calls + msgs
19354	0838	80038	
20817	1600		Mazielka call-up
21856	1103		

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::: DBLB

Unid station "DBLB" is still on 7583 kHz every day at 1700 UTC. The station appears daily on CW at 1700 UTC exactly, calling "QMXT" who answers on another, yet unknown, frequency. After an exchange of signal reports, he sends "ZZC ZVP K". Then remains off the air while QMXT sends a message. After a couple of minutes, "R", "QTC1 AS" is sent. Then he changes to RTTY (50 bd, 500 c/s shift, "reversed" polarity) and sends his one message, five-figure groups. So far all messages that have been reported have been either 90 or 99 groups. Message headers are of the form "256 90 7 1640 7456". 90 is the number of groups, 7 the date, 1640 the time in UTC; 256 looks like a serial number, but jumps by several hundreds from one day to the next, and what the 7456 group means I have no idea. Another example: "120 99 10 1650 3921"

The station uses the same unorthodox Q signals as FAPSI does (QLP move up, QLR move down, and so on), also "ZZC ZVP" whatever they mean. [ZVP means 'send VVV's' -Ary-]

The call signs (DBLB and QMXT) seem to be static.

<info via John>

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::: GONETS

The three GRU GONETS satellites that I mentioned last month were heard throughout the month. With data blips every 60 seconds. More active when they are over Europe.

Frequencies:

GONETS D1-1, 264.750 MHz

GONETS D1-2, 264.900 MHz

GONETS D1-3, 264.600 MHz

-O-O-O-O-O-O-O-O-O-O-

★ INTELLIGENCE PROFILE ★

- CZECHOSLOVAKIA
- SLOVAKIA
- CZECH REPUBLIC

Sources: World Fact Book, FAS, RFE/RL, Library of Congress Country Studies (Area Handbook), Czech and Slovak government web sites <http://www.bis.cz> and <http://www.government.gov.sk>. Act 153 of the Czech Republic.

::: CZECHOSLOVAKIA

Once part of the Holy Roman Empire and, later, the Austro-Hungarian monarchy, Czechoslovakia became an independent nation at the end of World War I. Independence ended with the German takeover in 1939. After World War II, Czechoslovakia fell within the Soviet sphere of influence. In 1968, an invasion by Warsaw Pact troops ended the efforts of the country's leaders to liberalize party rule and create "socialism with a human face." Anti-Soviet demonstrations the following year ushered in a period of harsh repression. With the collapse of Soviet authority in 1989, Czechoslovakia regained its freedom through a peaceful "Velvet Revolution." On 1 January 1993, the country underwent a "velvet divorce" into its two national components, the Czech Republic and Slovakia.

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::: INTELLIGENCE IN CZECHOSLOVAKIA

The following intelligence organizations were active in Czechoslovakia untill 1993.

Sbor Narodni Bezpecnosti -SNB- (National Security Corps)

Verejna Bezpecnost -VB- (Public Security)

Statni Bezpecnost -StB- (State Security)

Pohranicni Straz (Border Guard)  
Protivzdušna Obrana (Anti Aircraft Defense)  
Federal Directorate of Intelligence Services -FSZS-  
Hlavní Správa Rozvědky -HSR- (controlled by the Main Directorate  
of the General Staff)  
Zpravodajská Správa Generálního Stábu -ZSGS- (Intelligence  
Directorate of the General Staff)

The Ministry of Interior controlled the armed security organizations in the country except for the regular armed forces and some prison guards.

The police in Czechoslovakia was not called police, but rather security. The National Security Corps comprises Public Security and State Security. Public Security was a uniformed force that performs routine police duties throughout the country. State Security, the former Secret Police, was at the same time an investigative agency, an intelligence agency, and a counter intelligence agency. Any activity that could possibly be considered anti-state fell under the purview of State Security. St a.k.a. Secret Police, was notorious for their cruelty and brutal methods of interrogation.

The SNB was an armed force, organized and trained as such but equipped to perform police rather than military functions. Its members are subject to military discipline and are under the jurisdiction of military courts. The Ministry of Interior operated its own higher level educational institute, which trained security personnel at different stages of their careers. The Advanced School of the National Security Corps in Prague, granted academic degrees to the SNB and the Border Guard, also under the Ministry of Interior.

Public Security performed routine police functions at all levels from federal to local. In 1987 it was reported to be a relatively small force for the extent of its responsibility, but it was augmented by volunteer auxiliary units. The federal minister of interior controlled other forces that could be ordered to assist Public Security if needed, and he could also request further help from the military.

Public Security and State Security units were deployed throughout the country and had headquarters at regional and district levels; there were 10 kraje and 114 districts in 1987. Public Security forces also established sections in rural areas. Both forces were under the ostensible supervision of the ministries of interior of the Czech and Slovak socialist republics. However, there seemed to be no question that operational direction of the security forces emanated from the Ministry of Interior at the federal level and that the two ministries of the component republics had administrative rather than supervisory functions.



Another militarized security force subordinated to the Ministry of Interior was the Border Guard, which was established in 1951 as a separate agency under the then-existing Ministry of National Security. The Border Guard was an armed force subject to the same military regulations that govern the CSLA. In mid-1987, in addition to the individual small arms carried by its personnel, the Border Guard also had some armored vehicles, antitank guns, and machine guns.

The main strength of the Border Guard has been deployed along the West German border since 1950. Smaller units patrolled the Austrian frontier as well as the borders with East Germany and Poland. Only a few units were stationed on the Hungarian and Soviet borders. The basic operational unit was the battalion, which was divided into companies and platoons and could be grouped into brigades for administrative purposes. The federal minister of interior could call the Border Guard to supplement security forces if necessary, and in wartime it could be assigned to the army either to serve specialized guard functions or to fight as infantry. Members of the Anti Aircraft Defense helped the Border Guard by instituting air patrols. The portion of the border with Hungary formed by the Danube River was patrolled by the Border Guard, which used launches and patrol boats equipped with radar and infrared sighting devices.

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### ::: CLANDESTINE RADIO IN CZECHOSLOVAKIA

In his article "Twenty Five Years Ago in Prague", Don Moore describes the role of the Czechoslovakian clandestine stations in 1968, when the USSR invaded the country. Parts of the article are reprinted hereafter with kind permission of Don.

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'With the fall of Communism in Europe several years behind us, it's hard to remember what Cold War tensions were like. Yet, twenty- five years ago this month, the Cold War became extremely cold when the Soviets invaded Czechoslovakia. As so often in modern warfare, radio was there to play an important role.

At 2200 UTC on August 20, at least 250,000 Warsaw Pact troops -mostly Soviets, but also East Germans, Poles, Bulgarians, and Hungarians - crossed into Czechoslovakia. News of the invasion traveled slowly to the capital, and not until 01:00 did Czechoslovak Radio broadcast the first news of it to a startled world. Shortwave listeners reported that Radio Prague's external services carried on with their normal prerecorded broadcast, without any mention of the invasion. The Prague

Radio Building on Vinohradska Street, just behind the National Museum in the Central City, would be the center of resistance. Within minutes of the radio's invasion announcement, Czechoslovak youths began gathering on Vinohradska Street. Using wood, stones, buses and trolley cars, they began constructing massive barricades across the street.

At 8:00 a.m. Soviet troops surrounded the station building. A woman announcer reported this to the listeners, noting that, "They are going to silence our voices, but they cannot silence our hearts." The microphone was passed from hand to hand as the announcers asked the audience to remain calm and have courage. One man held the microphone to the window so the listeners could hear machine gun fire outside. As her companions sobbed in the background, the first woman announcer came back on and reported, "They have entered the building, but we are still here and will be with you as long as we can hold out ... we are behind Dubcek and we will never give up, NEVER." Then the national anthem was played.

Surprisingly, only 7 Czechoslovaks were killed in the two battles for the radio station, out of a total of 23 killed in Prague and other cities. Later in the afternoon, thousands of citizens carrying a blood splattered flag made a funeral procession along Vinohradska Street in honor of the fallen in the battle for Radio Prague.

Within half an hour of Radio Prague's fall, a clandestine anti-Soviet broadcaster came on the air in Prague. Gradually others were added elsewhere in the city, and in cities such as Brno, Pilsen, and Ceske Budejovice. Around the country, local radio staffs left their studios and took to the airwaves from secret locations.

At first, the clandestines provided news and moral support for the resistance. As they became more organized, the stations actually began to orchestrate the resistance. Then, as the resistance centered on the clandestine network, the stations became a sort of quasi-government for a nation without a real one. Their slogan was "Jsme s v mi; bud'te s n mi!", or "We are with you; be with us!" Although the underground stations denounced the Soviet invasion, they always stressed their loyalty to the Socialist system as represented by Dubcek and his "Prague Spring". Rather than being anti-Communist, they supported a liberal form of Communism. And they always pointed out that they were "free, legitimate" radio stations of the Czechoslovak people.

Surprisingly, in concentrating on closing down official Czechoslovak radio studios, the Soviets didn't bother to occupy several key medium and long wave transmitter sites. Radio technicians then set up make-shift studios and connected them to the usual high-powered transmitters on their normal frequencies! Soon, however, the Soviets wised up and occupied the transmitter sites, too.

By this time, the free radios had set up a number of a hodgepodge of true clandestine transmitters. Some came from the Czechoslovak army and others from factories, especially the Tesla Electronics Equipment plant. In other cases amateur transmitters were pressed into service. Still others were put together at the moment with whatever parts were at hand.

The stations worked together, and soon a true clandestine network came together. Up to nineteen stations took turns broadcasting for fifteen minutes at a time on the same frequency. Each station had local and national news, plus coded messages for members of the resistance. Numbered codes signaled the end of a transmission so the next station in the link could come on. At first the breaks between stations were choppy with as much as five minutes of dead air. Later the engineers became so proficient that the switches were often not even noticeable. During their time off the air, some stations moved their transmitter to a new site before their next turn, as a further guard against discovery.

The clandestine operators didn't limit themselves to radio. They put on at least four underground TV stations also. The broadcasts were highly professional, and in addition to news carried a lot of comedy programs making fun of the invasion. Humorous Russian lessons were especially popular, as was a satirical tour for visitors of the sites of occupied Prague.

Although the Czechoslovak clandestine broadcasts caught the Soviets by surprise, the Soviets had their own clandestine stations, too. Just a few hours after the invasion began, Radio Vltava came on 210 meters, claiming to be a Czechoslovak station and justifying the invasion as the will of the Czechoslovak people. The broadcasts, however, were in Russian-accented Czech and broken Slovak. The free radios announced Radio Vltava's frequency to their listeners and invited them to listen to it for amusement. Radio Vltava was actually located in East Germany, and eventually its frequency was taken over by Radio Berlin International. Later at least three other Soviet-operated clandestine stations broadcast briefly to Czechoslovakia. One, Vysilac Zare (Dawn Transmitter), pretended to be pro-Dubcek, but careful monitoring proved it to be a subtle attempt at spreading disinformation among the underground.

Finally, the invaders located a list of government-registered hams and the troops systematically began shutting them down one by one. Others stations realized the fight was over and shut down on their own. On Thursday, August 29, the last free radio station, on 950 kHz at a location near the Austrian border, closed down. The radio battle for Czechoslovakia was over.''

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::: SLOVAKIA

- Country name:

Slovenska Republika (Slovak Republic or Slovakia) with capital Bratislava

- Administrative divisions:

8 regions; Banskobystricky, Bratislavsky, Kosicky, Nitriansky, Presovsky, Trenciansky, Trnavsky, and Zilinsky.

- Military branches:

Ground Forces, Air and Air Defense Forces, Territorial Defense Forces, and Civil Defense Force.

- General:

After centuries under foreign rule, mainly by Hungary, the Slovaks joined with their neighbors to form the new nation of Czechoslovakia in 1918. Following the chaos of World War II, Czechoslovakia became a communist nation within Soviet-ruled Eastern Europe. Soviet influence collapsed in 1989, and Czechoslovakia once more was an independent country turning toward the West. The Slovaks and the Czechs agreed to separate peacefully on 1 January 1993. Slovakia has experienced more difficulty than the Czech Republic in developing a modern market economy.

- Intelligence/security:

The following security agencies are reportedly active in Slovakia;

SIS -Slovenska Informacni Sluzba (Slovak Information Service)

Border and Aliens Police

Defense Ministry Intelligence-Security Service

Internal Security

Office of Civil Protection

Office of Nuclear Surveillance

Little is known about the Slovak intelligence services (SIS). Recently some embarrassing facts were revealed by the head of the SIS, Vladimir Mitro. Mitro says that during the time that Meciar ruled in Slovakia, the SIS has been involved in abduction and murder, including kidnapping of President Michal Kovac's son, Michal junior, in 1995. SIS is also

accused of inciting neo-Nazism and racism in the Czech Republic, in an attempt to destabilize the neighboring country.

In contrast with the Czech Republic, the StB's structure has never been fully dismantled in Slovakia. Many of its surveillance devices were left basically intact, and are apparently still being used. Today, the Slovak intelligence agency SIS operates much as the Czechoslovak StB did before 1989.

An RFE report says: ''Cameras hidden under jackets draped over one shoulder, walkie-talkies in the shape of fountain pens, small micro-phones hidden under cuffs and lapels -- all standard tools in the days of the StB -- are back in Bratislava and other big cities. Indeed, intelligence experts say that those instruments are now accompanied by even more up-to-date technology, including disposable one-time-use microphone-transmitters the size of a lead pellet that can be shot at a target's back and clings to him until he brushes it off.''

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::: CZECH REPUBLIC

Country name:

Ceska Republika (Czech Republic) with capital: Praha (Prague)

Administrative divisions;

73 districts: Benesov, Beroun, Blansko, Breclav, Brno-Venkov, Bruntal, Ceske Budejovice, Ceska Lipa, Cesky Krumlov, Cheb, Chomutov, Chrudim, Decin, Domazlice, Frydek-Mistek, Havlickuv Brod, Hodonin, Hradec Kralove, Jablonec nad Nisou, Jesenik, Jicin, Jihlava, Jindrichuv Hradec, Karlovy Vary, Karvina, Kladno, Klatovy, Kolin, Kromeriz, Kutna Hora, Liberec, Litomerice, Louny, Melnik, Mlada Boleslav, Most, Nachod, Novy Jicin, Nymburk, Olomouc, Opava, Pardubice, Pelhrimov, Pisek, Plzen-Jih, Plzen-Sever, Prachatice, Praha-Vychod, Praha Zapad, Prerov, Pribram, Prostějov, Rakovník, Rokycany, Rychnov nad Knežnou, Semily, Sokolov, Strakonice, Sumperk, Svitavy, Tabor, Tachov, Teplice, Trebic, Trutnov, Uherske Hradiste, Usti nad Labem, Usti nad Orlici, Vsetin, Vyskov, Zdar nad Sazavou, Zlin, Znojmo, and  
4 municipalities: Brno, Ostrava, Plzen, and Praha.

Military branches:

Army, Air and Air Defense Forces, Civil Defense, Railroad Units.

Intelligence/Security:

In the short period after the collapse of the Soviet authority in 1989 till 1994, when the BIS was formed, a number of Czechoslovak and -later- Czech organizations have been active. Here is a rundown:

UOUD -Urad Pro Ochranu Ustavy a Demokracie (Office for the Protection of the Constitution and Democracy)

16.2.1990 - 19.12.1990

FIS -Federální Informační Sluzba (Federal Information Service)

20.12.1990 - 30.6.1991

FBIS -Federální Bezpečnostní Informační Sluzba (Federal Security Information Service)

1.7.1991 - 31.12.1992

BIS ER -Bezpečnostní Informační Sluzba »eské Republiky (Security Information Service of the Czech Republic)

1.1.1993 - 29.7.1994

BIS -Bezpečnostní Informační Sluzba (Security Information Service)  
constituted on 30.7.1994 under Act No. 154/1994

The following intelligence/security agencies are currently active:

BIS - Bezpečnostní Informační Sluzba (Security Information Service)

UDV - Bureau of Documentation and Investigation of Communist Crimes

Military Intelligence Service / Military Defence Intelligence

UZSI - Urad Pro Zahranicni Styky a Informace (Office for Foreign Relations and Information)

'Act No. 153 of July 7, 1994 on the Intelligence Services of the Czech Republic' gives a description of the tasks of the various agencies.

The Security Information Service (BIS) secures information on

- a) schemes and activities directed against the democratic foundations, the sovereignty and territorial integrity of the Czech Republic,
- b) the intelligence services of foreign powers,
- c) activities endangering state and official secrets,
- d) activities the consequences of which may jeopardize the security or major economic interests of the Czech Republic,
- e) information regarding organized crime and terrorism.

The Office for Foreign Relations and Information (UZSI) secures information of foreign provenance which is important for the security and protection of the foreign political and economic interests of the Czech Republic.

The Military Intelligence secures information on

- a) schemes and activities which pose a military threat to the Czech Republic,
- b) the intelligence services of foreign powers in the area of defence,
- c) schemes and activities directed against the interests of safe-guarding the defence of the Czech Republic,
- d) activities endangering state and official secrets concerning the defence of the Czech Republic.

The intelligence services fulfill further tasks as defined by specific legislation or international treaties by which the Czech Republic is bound.

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### ::: RELATED NUMBERS STATIONS

The related numbers stations can be grouped in five 'families'. For clarity's sake I will use the ENIGMA designators here. Station profiles can be found in previous N&O's. Most of the stations are gone for a while now. S31 went down the drain late last year. The survivors are S10, S10E, M07, M10, M10E, and S17C.

- Family IX : G18
- Family IXA: S10, S10A, S10B, S10C, S10D, S10E, M07, M10, M10A, M10B, M10C, M10D, M10E
- Family IXB: S05, S05A, S05B, S15, S16, M06, M06A. This was station O LX, operated by the Ministry of Interior. They even sent our QSL cards! (pictures attached)
- Family IXC: S17, S17A, S17B, S17C, S18, S19, S19A, M39
- Military : S31 (1122 and 2136 kHz. Around for over 30 years, now defunct.

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### \* LOGS SECTION \*

We have less logs then normal, but still well over 600. Thanks for submitting them folks. There is a little problem with the on-line database at the moment. When you search on 'date' the log dates do not appear. Other search methods seem to give the expected results. The dBaseIV databases on the N&O website have been replaced by delimited ASCII files.

3025	M08a	ID 93463 71903 47512 CW 17-05-2001 Thu 1000
3025	M08a	ID 40533 ----- (in progress) CW 29-05-2001 Tue
3415	E10	in progress USB 28-04-2001 Sat 2143
3415	E10	ART42 ZULQI (actual msg start at 2211) USB 28-04-2001 Sat 2200

3415	E10	ART USB 04-05-2001 Fri 2030
3640	E10	VLB2 USB 28-04-2001 Sat 2145
3640	E10	VLB2 USB 30-04-2001 Mon 2045
3640	E10	VLB2 USB 04-05-2001 Fri 2045
3680	ATC	Unid. vvv vvv vvv pys pys pys de de atc atc atc CW 10-05-2001 Thu 1234 (IB)
3840	E10	?? RLNPM USB 05-05-2001 Tue 2203
4014	V02a	Mangled LSB version of V2a LSB 01-05-2001 Tue 0300
4015	E10	MIW2 USB 02-05-2001 Wed 2015
4028	V02a	A 82592 77092 40992; sporadic cw prior to broadcast AM 04-05-2001 Fri 0500
4028	V02a	A 23151 46062 61462 AM 11-05-2001 Fri 0100
4035	V02a	Too much QRM to copy ID's AM 01-05-2001 Tue 0200
4130	E10	PCD USB 25-05-2001 Fri 1900
4165	E10	KPA2 USB 02-05-2001 Wed 2015
4165	E10	KPA2 USB 05-05-2001 Tue 2215
4173	M08a	ID 58411 06583 40531 CW 27-05-2001 Sun 1100
4270	E10	PCD2 USB 30-04-2001 Mon 2030
4270	E10	PCD2 USB 02-05-2001 Wed 2030
4270	E10	PCD2 USB 04-05-2001 Fri 2030
4270	E10	?? XLPRM USB 05-05-2001 Tue 2203
4270	E10	PCD2 USB 09-05-2001 Wed 2000
4325	MX	R (USB) CW 28-04-2001 Sat 2152
4325	MX	R (USB) CW 02-05-2001 Wed 2018
4329	M08a	ID 58872 33552 27213 CW 27-05-2001 Sun 1100
4331	M22	VVV DE 4XZ CW 13-05-2001 Sun 0234
4360	E10	VLB2 USB 28-04-2001 Sat 2145
4360	E10	VLB2 USB 30-04-2001 Mon 2045
4360	E10	VLB2 USB 04-05-2001 Fri 2045
4461	E10	FTJ 74 BQCQJ USB 04-05-2001 Fri 2030
4461	E10	42 OSZHR USB 05-05-2001 Tue 2203
4461	E10	FTJ USB 09-05-2001 Wed 2000
4463	E10	FTJ2 USB 25-05-2001 Fri 1900
4478	M08a	ID ----- (in progress) CW 29-05-2001 Tue
4479	V02a	A 82811 1209_ 65052 in CW mode CW! 09-05-2001 Wed 0300
4506	M08a	ID 36681 36371 17621 (rpt of 0200z sked on 5760m) CW 13-05-2001 Sun 0300
4507	V02a	faint; unable to copy callups AM 02-05-2001 Wed 0200
4507	V02a	in progress AM 04-05-2001 Fri 0300
4507	V02a	already in progress at :01 after AM 09-05-2001 Wed
4507	V02a	A 86813 83481 48352 AM 25-05-2001 Fri 0300
4510	V02a	Mangled LSB version of V2a LSB 01-05-2001 Tue 0300
4560	E10	?? RLNPM USB 05-05-2001 Tue 2203
4560	E10	YHF2 USB 25-05-2001 Fri 1900
4780	E10	SYN2 USB 28-04-2001 Sat 2145
4780	E10	SYN2 USB 30-04-2001 Mon 2045
4780	E10	SYN2 USB 04-05-2001 Fri 2045
4830,0	G04	80605 24652 (36gr) AM 03-05-2001 Thu 2005 (HFD)



4880	E10	ULX multi msg: 21 CADGE/19 LOMZT USB 30-04-2001 Mon 2030
4880	E10	ULX USB 02-05-2001 Wed 2030
4880	E10	ULX 3 msgs: (84 NIQIQ, 19 LMOZT, ?? ?????) USB 04-05-2001 Fri 2030
4880	E10	ULX USB 09-05-2001 Wed 2000
4880.0	E10	ULX USB 21-05-2001 Mon 0200
4905,0	M01	025 CW 01-05-2001 Tue 2000 (HFD)
4930,0	G04	80605 24652 (36gr) AM 03-05-2001 Thu 2035 (HFD)
5091	E10	in progress USB 28-04-2001 Sat 2143
5091	E10	JSR 20 ?0?PJ USB 28-04-2001 Sat 2200
5091	E10	JSR USB 04-05-2001 Fri 2030
5091	E10	in progress USB 09-05-2001 Wed 1940
5091	E10	JSR2 USB 09-05-2001 Wed 2000
5091	E10	JSR followed by a message USB 25-05-2001 Fri 1900
5116	M08a	INANN TGGTD DIRUN CW 25-05-2001 Fri 0200
5117	V02a	A ????? 0?293 62951 cw before and after (m8a?) AM 02-05-2001 Wed 0300
5117	V02a	A 94346 47854 16592 AM 03-05-2001 Thu 0300
5117	V02a	A 85962 39811 8_902 poor audio AM 09-05-2001 Wed 0300
5135	V02a	A 85961 72872 16594; note id ending in 4 AM 05-05-2001 Sat 0200
5170	E10	MIW2 USB 02-05-2001 Wed 2015
5170	E10	MIW2 USB 05-05-2001 Tue 2215
5170	E10	MIW2 USB 09-05-2001 Wed 2015
5170	E10	MIW2 AM 25-05-2001 Fri 0215
5339	E10	VLB2 USB 28-04-2001 Sat 2145
5339	E10	VLB2 USB 30-04-2001 Mon 2045
5340,0	M29	48 49 20 2200 = 87383 CW 20-05-2001 Sun 2000 (HFD)
5340,0	M29	63 33 27 2200 = 20265 CW 27-05-2001 Sun 2000 (HFD)
5417	V02a	A 85961 72872 16594; note id ending in 4; repeat of 0200 5135kHz AM 05-05-2001 Sat 0300
5419	M08a	ID 71611 80762 61443 CW 31-05-2001 Thu 0300
5435	E10	in progress USB 28-04-2001 Sat 2143
5435	E10	ART 42 ZULQI (actual msg start at 2211) USB 28-04-2001 Sat 2200
5435	E10	28 RPCYQ USB 01-05-2001 Tue 2203
5435	E10	ART USB 04-05-2001 Fri 2030
5435	E10	in progress USB 09-05-2001 Wed 1940
5435	E10	ART USB 09-05-2001 Wed 2000
5435	E10	ID=ART? count=89, 78 (2 msgs) abruptly off air at 0225, just after msg rpt start USB 26-05-2001 Sat 0200
5435.0	E10	ART USB 21-05-2001 Mon 0200
5465	MX	R (USB) CW 28-04-2001 Sat 2152
5465	MX	R (USB) CW 02-05-2001 Wed 2018
5620	M29	VDE. VVV marker CW 09-05-2001 Wed 0600 (CK)
5746	E03	in progress USB 09-05-2001 Wed 1937
5750	M29	"VVV VVV VDE VDE VDE AR", 5F grps CW 28-05-2001 Mon

0600

5758 M08a i/p early start CW 25-05-2001 Fri 0300

5760 M08a ID ----- 36371 17621 (in progress) CW 13-05-2001 Sun

5762 V02a A 39303 09772 56583; repeat of 100 6768kHz AM  
05-05-2001 Sat 0200

5800 V02a A 68663 09773 37663 AM 07-05-2001 Mon 0300

5901 E10 USB 26-05-2001 Sat 2000

6270 E10 ULX 3 msgs: (84 NIQIQ, 19 LMOZT, ?? ?????) USB  
04-05-2001 Fri 2030

6270 E10 3 msgs: 84 NIQIQ/?? ?????/?? ????? USB 05-05-2001 Sat  
2030

6270 E10 //7760 ULX weak AM 17-05-2001 Thu 0100

6370 E10 KPA2 USB 05-05-2001 Tue 2215

6370 E10 KPA2 USB 09-05-2001 Wed 2015

6370 E10 KPA2 AM 25-05-2001 Fri 0215

6379.0 M22 4XZ CW 31-05-2001 Thu 0030

6420,0 M29 55 36 1 1800 = 82080 CW 01-05-2001 Tue 1900 (HFD)

6485 E03 in progress USB 09-05-2001 Wed 1937

6498 E10 USB 25-05-2001 Fri 1900

6767 M08a ID 16561 79333 93231 CW 27-05-2001 Sun 1200

6768 V02a A 40312 90691 21242; Repeat of 0300 6855kHz ? AM  
30-04-2001 Mon 0400

6768 V02a A 39303 09772 56583; fast cinco; lots of tape dropouts  
AM 05-05-2001 Sat 0100

6768 V02a A 40313 52963 21243 - terrible audio AM 07-05-2001 Mon  
0400

6780,0 M29 72 34 1 0700 = 73744, simult. GNY radiocheck (DRAT)  
CW 01-05-2001 Tue 0600 (HFD)

6780,0 M29 72 34 1 0800 = 73744 CW 29-05-2001 Tue 0600 (HFD)

6785 M08a ID 73321 61443 --611 (very weak signal) CW 30-05-2001  
Wed 1300

6796 M08a ID 36371 32333 36681 CW 12-05-2001 Sat 1200

6796 M08a ID ----- (too weak for copy) CW 28-05-2001

6796 M08a ID 72661 78042 27343 CW 29-05-2001 Tue 1300

6840 E10 EZI 69 LXNIY USB 28-04-2001 Sat 2200

6840 E10 in progress USB 05-05-2001 Tue 2203

6840 E10 //9130//11565 EZI (62) GKKMA (49) NIVHQ AM 25-05-2001  
Fri 0230

6840 E10 USB 25-05-2001 Fri 1900

6840 E10 USB 25-05-2001 Fri 1910

6842 E10 //11565 EZI AM 09-05-2001 Wed 0200

6843 E10 ID=EZI2 //9130//11565 off air at 0203 USB 26-05-2001  
Sat 0200

6854 M08a in progress CW 30-05-2001 Wed 1200

6855 V02a In prog, ----- 90691 ----- AM 29-04-2001 Sun 0314

6855 V02a A ----- 21242; In prog AM 30-04-2001 Mon 0316

6855 V02a A 80313 53933 21373 - terrible audio AM 07-05-2001 Mon  
0300

6866	M08a	ID 25343 71901 56111 CW 12-05-2001 Sat 1300
6872	M40	vvv cq466,689 (x5) hr hr 14 14 = = 92126 T5197 33558 T6382 59642 46189 T5793 T5T43 36115 66589 79816 57T73 88271 8T222 ar ar rpt rpt CW 10-05-2001 Thu 1530 (IB)
6880,0	M29	72 34 1 0700 = 73744 CW 01-05-2001 Tue 0630 (HFD)
6880,0	M29	72 34 1 0800 = 73744 CW 29-05-2001 Tue 0630 (HFD)
6912	E10	SYN2 USB 28-04-2001 Sat 2145
6912	E10	SYN2 USB 30-04-2001 Mon 2045
6912	E10	SYN2 USB 09-05-2001 Wed 1945
6932	M08a	ID 36371 32333 36681 CW 12-05-2001 Sat 1300
6932	M08a	ID 16563 61442 93233 (rpt of 1200z sked on 7889m) CW 29-05-2001 Tue 1300
6945,0	S17C	74045 AM 19-05-2001 Sat 1250 (HFD)
6945,0	S17C	75051 AM 20-05-2001 Sun 1250 (HFD)
6945,0	S17C	89052 AM 24-05-2001 Thu 1250 (HFD)
6959	E03	20876 USB 30-04-2001 Mon 2100
6959	E03	50615 USB 01-05-2001 Tue 2203
6959	E03	in progress USB 04-05-2001 Fri 2034
6959	E03	90801 USB 07-05-2001 Mon 2200
6959	E03	55296 USB 09-05-2001 Wed 2000
6960	E05	Call 802 Count 154 641/80 ... USB 07-05-2001 Mon 2200
6982	M08a	ID 36372 74411 36682 CW 13-05-2001 Sun 1300
6982	M08a	ID 16561 79333 93231 (rpt of 1200z sked on 6767m) CW 27-05-2001 Sun 1300
6982	M08a	ID ----- (in progress) CW 28-05-2001 Mon
7038.5	MX	Russian navy Kaliningrad. Cluster beacon P CW 03-05-2001 Thu 2115 (CK)
7064.5	L9CC	Unid mil. CP17 CP17 CP17 DE L9CC L9CC V CW 03-05-2001 Thu 2103 (CK)
7256,0	M03	287/00 CW 01-05-2001 Tue 1630 (HFD)
7322	E10	FTJ 117 FPTWP USB 02-05-2001 Wed 2030
7445	E10	MIW2 USB 02-05-2001 Wed 2015
7445	E10	MIW2 USB 09-05-2001 Wed 2015
7445	E10	MIW2 AM 17-05-2001 Thu 0115
7519	M08a	ID 56512 20073 82763 CW 25-05-2001 Fri 2200
7519	M08a	ID ----- (in progress) CW 28-05-2001 Mon
7519.0	M08a	ID 56513 47681 12141 CW 28-05-2001 Mon 2200
7519.0	M08a	ID 47683 00313 44543 CW 30-05-2001 Wed 2200
7519.5	M08a	----- NWWMD (----- 25593) CW 30-04-2001 Mon 2213
7526.0	M08a	ID 58881 47682 12142 CW 29-05-2001 Tue 2200
7540	E10	JSR ?? MCDBW USB 30-04-2001 Mon 2030
7540	E10	JSR USB 04-05-2001 Fri 2030
7540	E10	USB 25-05-2001 Fri 1900
7579	M08a	ID 72661 78042 27343 (rpt of 1300z sked on 6796m) CW 29-05-2001 Tue 1400
7579	M08a	in progress CW 29-05-2001 Tue 1400
7605	E10	//12747 CI02 AM 11-05-2001 Fri 0145

7620 E05 ID=790 count=194 //9205 USB 26-05-2001 Sat 0300  
7668 M16 DGSE. VVV VVV VVV 8BY 8BY 8BY 311 / 788 / 364 / 161 /  
467 / 970 / 506 CW 11-05-2001 Fri 1941 (AB)  
7734 V02 A584/04 04/50 94383 two final AM 25-05-2001 Fri 0400  
7760 E10 ULX weak AM 11-05-2001 Fri 0100  
7760 E10 //6270 ULX weak AM 17-05-2001 Thu 0100  
7863 M08a //in progress CW 03-05-2001 Thu 0800  
7863 M08a ID ----- (in progress) CW 10-05-2001 Thu  
7863 M08a ID ----- 39073 96993 (in progress) CW 12-05-2001 Sat  
7863 M08a ID ----- 11991 50941 (rpt of 0700z sked on 9112m) CW  
15-05-2001 Tue 0800  
7863 M08a ID ----- 29802 08052 CW 17-05-2001 Thu 0800  
7863 M08a ID 83523 87031 87441 CW 22-05-2001 Tue 0800  
7863.5 M08a In progress CW 05-05-2001 Tue 0805  
7887 V02a A 82663 46101 86632 AM 06-05-2001 Sun 0200  
7889 M08a ID 25343 71901 56111 CW 12-05-2001 Sat 1400  
7889 M08a ID 16563 61442 93233 CW 29-05-2001 Tue 1200  
7918 E10 YHF AM 09-05-2001 Wed 0200  
7918 E10 YHF (4) EUGQS AM 11-05-2001 Fri 0130  
7918 E10 //9202 YHF AM 25-05-2001 Fri 0200  
7918 E10 YHF AM 25-05-2001 Fri 0230  
7918.0 E10 YHF USB 21-05-2001 Mon 0200  
7976 M08a ID ----- 84862 46842 (in progress) CW 13-05-2001 Sun  
8000 V02a AM 09-05-2001 Wed 0614 (VAMBO)  
8009 M08a ID 20071 00312 44542 CW 23-05-2001 Wed 2300  
8009.0 M08a ID 56513 47681 12141 (rpt of 2200z sked on 7519k) CW  
28-05-2001 Mon 2300  
8009.0 M08a ID 47683 00313 44543 (rpt of 2200z sked on 7519k) CW  
30-05-2001 Wed 2300  
8009.0 M08a ID 58883 96931 35361 CW 31-05-2001 Thu 2200  
8010 M08a //in progress CW 04-05-2001 Fri 0800  
8010 M08a ID 84481 39072 96992 CW 11-05-2001 Fri 0800  
8010 M08a ID 84481 39072 96992 CW 11-05-2001 Fri 0800  
8010 M08a ID 87932 29803 08053 CW 18-05-2001 Fri 0800  
8010 M08a ID 73852 29081 26321 CW 25-05-2001 Fri 0800  
8010 V02a A 52961 32001 54031 AM 04-05-2001 Fri 0600  
8011 M08a ID 86743 13233 60763 CW 07-05-2001 Mon 0800  
8011 M08a ID 87293 29801 08051 CW 16-05-2001 Wed 0800  
8011 M08a ID 85231 87712 06702 CW 23-05-2001 Wed 0800  
8048 M77 QRA DE P7X (then a little 5L tfc, then went silent).  
CW 10-05-2001 Thu 2102  
8097 V02a A 52962 32002 54032 AM 05-05-2001 Sat 0600  
8101 M22 Israeli navy 4XZ. 5LGs CW 28-05-2001 Sat 2110 (PW)  
8103.0 M22 4XZ CW 29-05-2001 Tue 2305  
8103.0 M22 4XZ CW 30-05-2001 Wed 2310  
8103.0 M22 4XZ CW 31-05-2001 Thu 0030  
8112 M10 //in progress// 450x3 78x2 18x2 BTx2 CW 20-05-2001 Sun  
0419

8135	M08a	WRWAA NTTIN GNIRN CW 24-05-2001 Thu 2300
8135	M08a	ID 56512 20073 82763 (rpt of 2200z sked on 7519m) CW 25-05-2001 Fri 2300
8135.0	M08a	in progress CW 25-05-2001 Fri 2304
8135.0	M08a	ID 58881 47682 12142 (Rpt of 2200z sked on 7526k) CW 29-05-2001 Tue 2300
8136	M08a	ID 33391 12263 45862 CW 06-05-2001 Sun 1000
8136	M08a	ID ----- //in progress// CW 20-05-2001 Sun
8136	M08a	ID 17701 99883 29652 CW 27-05-2001 Sun 1000
8157	M24	(in progress) 302x2 145x2 00000 CW 29-05-2001 Tue 0905
8300	V13	New Star Broadcasting: Faint YL/CC 4FGx2; in prog USB 09-05-2001 Wed 1235
8300	V13	YL/CC 4FGx2 AM 09-05-2001 Wed 1400
8300	V13	New Star Broadcasting YL/CC 4FGx2 AM 23-05-2001 Wed 1300
8300	V13	New Star Broadcasting YL/CC 4FGx2 AM 23-05-2001 Wed 1330
8300	V13	New Star Broadcasting YL/CC 4FGx2 AM 24-05-2001 Thu 1330
8300	V13	New Star Broadcasting YL/CC 4FGx2 AM 29-05-2001 Tue 1400
8300	V13	New Star Broadcasting YL/CC 4FGx2 AM 30-05-2001 Wed 1230
8300	V13	New Star Broadcasting YL/CC 4FGx2 AM 31-05-2001 Thu 1230
8300	V13	New Star Broadcasting w/flute interval AM 31-05-2001 Thu 1300
8464	E03	in progress USB 09-05-2001 Wed 1937
8588	XSL	Slot Machine USB 04-05-2001 Fri 1400
8588	XSL	Slot Machine USB 09-05-2001 Wed 1620
8588	XSL	Slot Machine USB 17-05-2001 Thu 1355
8588	XSL	Slot Machine USB 21-05-2001 Mon 1400
8588	XSL	Slot Machine USB 23-05-2001 Wed 1335
8588	XSL	The Slots USB 30-05-2001 Wed 1430
8588	XSL	The Slot Machines USB 31-05-2001 Thu 1430
8703.5	XLS	The Slots USB 30-05-2001 Wed 1430
8703.5	XSL	Slot Machine USB 04-05-2001 Fri 1400
8703.5	XSL	Slot Machine USB 09-05-2001 Wed 1620
8703.5	XSL	Slot Machine USB 17-05-2001 Thu 1355
8703.5	XSL	Slot Machine USB 21-05-2001 Mon 1400
8703.5	XSL	Slot Machine USB 23-05-2001 Wed 1335
8703.5	XSL	The Slot Machines USB 31-05-2001 Thu 1430
9062	M08a	ID 14012 40773 32293 CW 20-05-2001 Sun 0500
9063	M08a	ID ----- (in progress) CW 11-05-2001 Fri
9063	V02a	ID ----- YL/SS (in progress) AM 16-05-2001
9090	E05	In progress, weak AM 30-04-2001 Mon 2213
9090	E05	Call 802 Count 154 641/80 ... USB 07-05-2001 Mon 2200
9112	M08a	ID 87292 11991 50941 CW 15-05-2001 Tue 0700

9112.5 M08a IMIDA UMUIA TTTTA (79731 49471 00001) CW 01-05-2001 Tue 0700  
 9113 M08a ID ----- (in progress) CW 17-05-2001 Thu  
 9130 E10 in progress USB 28-04-2001 Sat 2143  
 9130 E10 EZI 69 LXNIY USB 28-04-2001 Sat 2200  
 9130 E10 in progress USB 01-05-2001 Tue 2203  
 9130 E10 EZI USB 02-05-2001 Wed 2030  
 9130 E10 EZI 49 KKGWV USB 04-05-2001 Fri 2030  
 9130 E10 EZI USB 05-05-2001 Sat 2030  
 9130 E10 in progress USB 09-05-2001 Wed 1940  
 9130 E10 EZI 69 LXNIY USB 09-05-2001 Wed 2000  
 9130 E10 //11565 EZI2 AM 17-05-2001 Thu 0100  
 9130 E10 //6840//11565 EZI (62) GKKMA (49) NIVHQ AM 25-05-2001 Fri 0230  
 9130 E10 USB 25-05-2001 Fri 1900  
 9130 E10 USB 25-05-2001 Fri 1910  
 9130 E10 ID=EZI2 //6843//11565 off air at 0203 USB 26-05-2001 Sat 0200  
 9130.0 E10 //11565.0 EZI USB 21-05-2001 Mon 0200  
 9142 E17 rptg 627 then 498 498 130 130 and into 5FGx2 AM 09-05-2001 Wed 0200  
 9152 M08a ID 67742 06502 79043 CW 05-05-2001 Sat 0800  
 9152 M08a ID 82421 38952 28722 CW 12-05-2001 Sat 1200  
 9166 M10 555x3 968x3 37 417x3 36 CW 29-05-2001 Tue 0310  
 9202 E10 //7918 YHF AM 25-05-2001 Fri 0200  
 9205 E05 ID=790 count=194 //7620 USB 26-05-2001 Sat 0300  
 9219 E05 Call 474 USB 07-05-2001 Mon 2200  
 9220 E17 (in progress) 135x2 400x2 00000 (YL/EE - repeat of 0400z sked on 10708m) USB 28-05-2001 Mon 0602  
 9225 MX 'V' marker CW 10-05-2001 Thu 0053 (IB)  
 9239 M08a ID ----- (in progress) CW 11-05-2001 Fri  
 9239 M08a ID 87291 84863 46843 CW 14-05-2001 Mon 0700  
 9239 M08a ID ----- (in progress) CW 16-05-2001 Wed  
 9239 M08a ID 10771 92883 95933 CW 17-05-2001 Thu 1000  
 9239 M08a ID ----- //in progress// CW 20-05-2001 Sun  
 9239 M08a ID 17701 99883 29652 (rpt of 1000z sked on 8136m) CW 27-05-2001 Sun 1100  
 9251 E03 20876 USB 30-04-2001 Mon 2100  
 9251 E03 50615 USB 01-05-2001 Tue 2203  
 9251 E03 //12603 rptg 64433 USB 02-05-2001 Wed 2200  
 9251 E03 //12603 rptg 72436 USB 03-05-2001 Thu 2200  
 9251 E03 in progress USB 04-05-2001 Fri 2034  
 9251 E03 55296 USB 09-05-2001 Wed 2000  
 9251 E03 //12603 rptg 58057 USB 16-05-2001 Wed 2200  
 9260 V02 Atencion 613/05 05/[missed] on rpt AM 01-05-2001 Tue  
 9270 E10 CI02 USB 28-04-2001 Sat 2145  
 9270 E10 CI02 USB 30-04-2001 Mon 2045  
 9270 E10 CI02 USB 04-05-2001 Fri 2045

9270.0	E10	CI02 USB 21-05-2001 Mon 0145
9280	V07	Spanish Man. sked 234 AM 15-05-2001 Tue 0610 (ANEUR)
9323	M08a	ID ----- 82381 61811 //in progress// CW 06-05-2001 Sun
9323	M08a	ID 45293 39271 32291 CW 17-05-2001 Thu 1000
9323	M08a	ID ----- (in progress) CW 29-05-2001 Tue
9330	M08a	ID ----- (in progress) CW 28-05-2001 Mon
9330	M08a	in progress CE 30-05-2001 Wed 1200
9331	M08a	ID ----- 05152 08812 (in progress) CW 13-05-2001 Sun
9331	M08a	ID 35033 22031 48971 CW 27-05-2001 Sun 1200
9331	M08a	ID ----- (in progress) CW 28-05-2001 Mon
9331	M08a	ID 17703 ----- (in progress) CW 30-05-2001 Wed
9331	V02a	A 91154 58204 76071 AM 07-05-2001 Mon 0600
9331	V02a	ID ----- 43331 (in progress) AM 28-05-2001 Mon
9381	M10	324x3 000 CW 29-05-2001 Tue 0400
9725	V13	New Star Broadcasting YL/CC 4FGx2 AM 29-05-2001 Tue 1400
9725	V13	New Star Broadcasting YL/CC 4FGx2 AM 31-05-2001 Thu 1230
9725	V13	New Star Broadcasting YL/CC 4FGx2 AM 31-05-2001 Thu 1300
9962	V02	Atencion 978/08 08/95 on rpt AM 01-05-2001 Tue 0411
10046	M22	4XZ marker CW 24-05-2001 Thu 2330
10046.0	M22	4XZ CW 29-05-2001 Tue 2305
10046.0	M22	4XZ CW 30-05-2001 Wed 2310
10046.0	M22	4XZ AM 31-05-2001 Thu 0030
10126	M08a	ID 67742 06502 79043 (rpt of 0800z sked on 9152m) CW 05-05-2001 Sat 0900
10126	M08a	ID ----- 14771 24571 (in progress) CW 12-05-2001 Sat
10126	M08a	ID 45072 65463 80373 (rpt of 0800z sked on 11432m) CW 17-05-2001 Thu 0900
10126	M08a	ID ----- 87893 CW 29-05-2001 Tue 0900
10126	M08a	ID 86021 ----- (in progress) CW 31-05-2001 Thu
10235	M08a	ID 92801 29651 28722 CW 13-05-2001 Sun 0400
10235	M08a	GTUDA _TADA N__NN covered QRM CW 25-05-2001 Fri 0400
10235	M08a	ID 17702 21092 29653 CW 29-05-2001 Tue 0400
10235.5	M08a	_____ MGRRD (_____ 98663) CW 01-05-2001 Tue 0421
10236	M08a	ID 27661 14772 24572 CW 13-05-2001 Sun 0800
10248.0	M16	8BY 697/384/687/753/033 CW 28-05-2001 Mon 2240
10248.0	M16	8BY 970/099/445/455/626/816 CW 30-05-2001 Wed 2240
10248.0	M16	8BY 793/663/384/080 CW 31-05-2001 Thu 2240
10250	M03	503/00 CW 01-05-2001 Tue 0745
10346	M08a	ID 70983 52061 21052 CW 29-05-2001 Tue 1100
10355	V07	Spanish Man. sked 234 AM 15-05-2001 Tue 0630 (ANEUR)
10426	E03	LP in progress under data //11545 USB 30-04-2001 Mon
10426	E03	90801 USB 07-05-2001 Mon 2200
10426	E03	//12603//14487 rptg 94435 USB 21-05-2001 Mon 1400
10443	M24	469 R4 128x2 95x2 BTx2 (repeat of 5/1/2001 sked) CW

02-05-2001 Wed 0800

10443	M24	469x3 00000 R4 (null sked) CW 08-05-2001 Tue 0800
10443	M24	469x3 00000 R4 (null sked) CW 09-05-2001 Wed 0800
10443	M24	469 R4 128x2 95x2 BTx2 CW 12-05-2001 Tue 0800
10443	M24	469 R4 580x2 163x2 BTx2 CW 15-05-2001 Tue 0800
10443	M24	469 R4 580x2 163x2 BTx2 (rpt of 5/15/01 sked, same time and freq) CW 16-05-2001 Wed 0800
10443	M24	469 00000 R4 (null sked) CW 22-05-2001 Tue 0800
10443	M24	469 00000 R4 (null sked) CW 23-05-2001 Wed 0800
10446	M08a	ID 67741 06502 79042 CW 04-05-2001 Fri 0800
10446	M08a	ID ----- (in progress) CW 07-05-2001 Mon
10446	M08a	ID 78633 57891 15851 CW 09-05-2001 Wed 0800
10446	M08a	ID ----- (in progress) CW 11-05-2001 Fri
10446	M08a	ID ----- (in progress) CW 11-05-2001 Fri
10446	M08a	ID 45071 65462 80372 CW 16-05-2001 Wed 0800
10446	M08a	ID 45073 15561 08481 CW 18-05-2001 Fri 0800
10446	M08a	ID 44672 74273 73803 CW 23-05-2001 Wed 0800
10446	M08a	ID 69741 47392 12322 CW 25-05-2001 Fri 0800
10446	M08a	ID ----- (in progress) CW 29-05-2001 Tue
10527	E05	Call 474 USB 07-05-2001 Mon 2200
10566	M08a	ID 79231 05152 08812 (rpt of 1200z sked on 9331m) CW 13-05-2001 Sun 1300
10566	M08a	ID 35033 22031 48971 (rpt of 1200z sked on 9331m) CW 27-05-2001 Sun 1300
10566	M08a	ID 29161 22032 48972 CW 28-05-2001 Mon 1300
10566	M08a	ID 29163 23751 90911 CW 30-05-2001 Wed 1300
10574	M24	301 R4 472x2 159x2 BTx2 CW 04-05-2001 Fri 0800
10574	M24	301 R4 472x2 159x2 BTx2 (rpt of 0800z sked on 10574m from 5/4/01) CW 06-05-2001 Sun 0800
10574	M24	301x3 00000 R4 (null sked) CW 11-05-2001 Fri 0800
10574	M24	301x3 00000 R4 (null sked) CW 11-05-2001 Fri 0800
10574	M24	301x3 00000 R4 (null sked) CW 13-05-2001 Sun 0800
10574	M24	301 R4 978x2 255x2 BTx2 CW 18-05-2001 Fri 0800
10574	M24	301 00000 R4 CW 25-05-2001 Fri 0800
10583	E05	//11580 weak AM 08-05-2001 Tue 2100
10620	M40	VVV CQ747.643 R5 HRx2 10x2 BTx2 CW 06-05-2001 Sun 1000
10648	E10	YHF multi msg: 8 LWPGE/33 VXRNK USB 30-04-2001 Mon 2030
10648	E10	YHF group 13 AKB0(B?) USB 01-05-2001 Tue 0430
10648	E10	YHF ?? VXRNK USB 02-05-2001 Wed 2030
10648	E10	YHF 2 msgs: 8 LWPGE/33 VXRNK USB 04-05-2001 Fri 2030
10708	E17	USB 27-05-2001 Sun 0443 (KR)
10708	E17	(in progress) 135x2 400x2 00000 (YL/EE) USB 28-05-2001 Mon 0400
10708	E17	In prog; very strong. AM 28-05-2001 Mon 0514
10714	M08a	ID 51411 37481 42961 (rpt of 0100z sked on 12119m) CW 29-05-2001 Tue 0200
10820	E10	VLB2 AM 24-05-2001 Thu 2345



10820	E10	VLB2 AM 25-05-2001 Fri 0245
10858	M08a	ID 40173 05151 08811 CW 12-05-2001 Sat 1200
10858	M08a	ID 29162 22033 48973 CW 29-05-2001 Tue 1200
10872	MX	SLHFM "M" CW 09-05-2001 Wed 1410
11306	M08a	517 R5 BT 205 21 BT //tfc uncopiable-weak signal, heavy QRM// CW 21-05-2001 Mon 2000
11306	M13	517 R5 205 21 BT CW 22-05-2001 Tue 2000
11307	M13	517 R5 BT 205 21 BT (5f tfc) CW 08-05-2001 Tue 2000
11420	V07	Spanish Man. sked 234 AM 15-05-2001 Tue 0750 (ANEUR)
11430	V13	New Star Broadcasting YL/CC 4FGx2 AM 23-05-2001 Wed 1300
11431.5	M08a	WGGTN ARMDA MGRRD (58802 16931 98663) CW 01-05-2001 Tue 0500
11432	M08a	//in progress CW 03-05-2001 Thu 0800
11432	M08a	ID ----- (in progress) CW 10-05-2001 Thu
11432	M08a	ID ----- 24571 (in progress) CW 12-05-2001 Sat
11432	M08a	ID 27663 65461 80371 CW 15-05-2001 Tue 0800
11432	M08a	ID ----- 65463 80373 CW 17-05-2001 Thu 0800
11432	M08a	ID ----- (in progress) CW 22-05-2001 Tue
11432.5	M08a	In progress CW 01-05-2001 Tue 0812
11445	M77	QRA P7X GR 06 BT CW 23-05-2001 Wed 2000
11445	M77	QRA P7X GR 06 BT CW 23-05-2001 Wed 2100
11445	M77	QRA P7X GR 06 BT CW 23-05-2001 Wed 2130
11545	E03	in progress USB 28-04-2001 Sat 2143
11545	E03	20876 USB 30-04-2001 Mon 2100
11545	E03	rptg 50615 USB 01-05-2001 Tue 2200
11545	E03	50615 USB 01-05-2001 Tue 2203
11545	E03	in progress USB 04-05-2001 Fri 2034
11545	E03	90801 USB 07-05-2001 Mon 2200
11545	E03	weak USB 08-05-2001 Tue 2200
11545	E03	55296 USB 09-05-2001 Wed 2000
11545	E03	//14487 rptg 18851 USB 19-05-2001 Sat 1500
11545	E03	USB 25-05-2001 Fri 1900
11545	E03	English Accented Female speaking eleven 5 number groups followed by a musical score. Not 11.545.0,clear on .5 USB 07-05-2001 Mon 1507
11554,0	XPH	msg AM 01-05-2001 Tue 0600 (HFD)
11554,0	XPH	msg AM 29-05-2001 Tue 0600 (HFD)
11565	E10	in progress USB 28-04-2001 Sat 2143
11565	E10	5LG in prog, @:45 rpt group 104 UBJG_; truncated //13533 USB 01-05-2001 Tue 0441
11565	E10	EZI 49 KKGWV USB 04-05-2001 Fri 2030
11565	E10	//6842 EZI AM 09-05-2001 Wed 0200
11565	E10	EZI 69 LXNIY USB 09-05-2001 Wed 2000
11565	E10	EZI2 AM 11-05-2001 Fri 0100
11565	E10	//9130 EZI2 AM 17-05-2001 Thu 0100
11565	E10	//6840//9130 EZI (62) GKKMA (49) NIVHQ AM 25-05-2001 Fri 0230

11565 E10 USB 25-05-2001 Fri 1900  
11565 E10 ID=EZI2 //6843//9130 off air at 0203 USB 26-05-2001 Sat 0200  
11565 E10 ID=EZI count=62,49 (2 msgs) slow rate of speech, unusually strong clear signal USB 26-05-2001 Sat 0230  
11565 E10 ID=EZI count=33 USB 26-05-2001 Sat 0300  
11565 E10 YL/EE -- ID EZI w/2 messages USB 31-05-2001 Thu 0200  
11565.0 E10 //9130.0 EZI USB 21-05-2001 Mon 0200  
11566 V02a A 62812 69952 32413 AM 25-05-2001 Fri 0300  
11566.0 V02a Female voice, numbers AM 25-05-2001 Fri 0340  
11580 E05 //10583 weak AM 08-05-2001 Tue 2100  
11960 M23 555 R10 (Stops after 10 minutes) CW 28-05-2001 Mon  
12093 M08a ID 34532 22143 40453 CW 05-05-2001 Sat 1300  
12093 M08a ID 40173 05151 08811 CW 12-05-2001 Sat 1300  
12093 M08a ID 29162 22033 48973 (rpt of 1200z sked on 10858m) CW 29-05-2001 Tue 1300  
12119 M08a ID 51411 37481 42961 CW 29-05-2001 Tue 0100  
12165 V02a A 35143 26063 03113 AM 07-05-2001 Mon 0200  
12165.0 V02a AM 21-05-2001 Mon 0200  
12180 V02a A 82661 64042 35141; sporadic numbers at 0156 AM 02-05-2001 Wed 0200  
12180 V02a already in progress at :01 after AM 09-05-2001 Wed  
12215 V02a A 23462 13603 67753 AM 01-05-2001 Tue 0200  
12215 V02a A 62812 69952 32413 AM 25-05-2001 Fri 0200  
12215 V02a ID ----- (in progress) AM 29-05-2001 Tue  
12216 M13 458x12 BT 200 21 BT (in progress) CW 28-05-2001 Mon  
12603 E03 //9251 rptg 64433 USB 02-05-2001 Wed 2200  
12603 E03 //9251 rptg 72436 USB 03-05-2001 Thu 2200  
12603 E03 rptg 72436 USB 08-05-2001 Tue 2000  
12603 E03 rptg 64483 USB 08-05-2001 Tue 2100  
12603 E03 rptg 72436 USB 09-05-2001 Wed 2100  
12603 E03 rptg 24367 USB 10-05-2001 Thu 2200  
12603 E03 //9251 rptg 58057 USB 16-05-2001 Wed 2200  
12603 E03 //10426//14487 rptg 94435 USB 21-05-2001 Mon 1400  
12603 E03 //13375 rptg 58057 USB 25-05-2001 Fri 1500  
12603 E03 //13375 weak USB 25-05-2001 Fri 1600  
12603 E03 //14487//16314 rptg 88407 USB 29-05-2001 Tue 1400  
12714 M13 714 CW 11-05-2001 Fri 2000  
12714 M13 714 R5 BT 200 22 BT CW 11-05-2001 Fri 2000  
12714 M13 714 R5 BT 200 22 BT CW 24-05-2001 Thu 2000  
12747 E10 CI02 USB 28-04-2001 Sat 2145  
12747 E10 CI02 USB 30-04-2001 Mon 2045  
12747 E10 CI02 USB 04-05-2001 Fri 2045  
12747 E10 //7605 CI02 AM 11-05-2001 Fri 0145  
12747 E10 SYN2 new to this frequency AM 23-05-2001 Wed 1345  
12747 E10 SYN2 AM 24-05-2001 Thu 1345  
12834 M13 253 R5 BT 203 21 BT (heavy QRN, weak signal) CW 17-05-2001 Thu 2000

13349	M24	(in progress) BTx2 867x2 159x2 00000 (this is a repeat of the 0019z sked on 15656m) CW 30-05-2001 Wed 0041
13375	E03	weak USB 04-05-2001 Fri 1500
13375	E03	//12603 rptg 58057 USB 25-05-2001 Fri 1500
13375	E03	//12603 weak USN 25-05-2001 Fri 1600
13375	E03	USB 25-05-2001 Fri 1910
13375	E03	weak USB 31-05-2001 Thu 1500
13375	E03	Same Woman and music as on 11.545.5. Much clearer than the 11Mhz transmission. USB 07-05-2001 Mon 1514
13454,0	XPH	msg AM 01-05-2001 Tue 0620 (HFD)
13454,0	XPH	msg AM 29-05-2001 Tue 0620 (HFD)
13528	MX	SLHFM "M" CW 09-05-2001 Wed 1410
13533	E10	5LG in prog, @:45 rpt group 104 UBJG_; truncated //11565 USB 01-05-2001 Tue 0441
13533	E10	poor reception in uk USB 27-05-2001 Sun 1850
13533	E10	EZI? buried in QRN AM 30-05-2001 Wed 1430
13570	V13	New Star Broadcasting: flute interval + YL/CC 4FGx3 USB 10-05-2001 Thu 1300
13750	V13	New Star broadcasting company; faint. USB 05-05-2001 Sat 1444
13750	V13	yl/cc 4fgx2 new star broadcasting USB 06-05-2001 Sun
13750	V13	New Star Broadcasting: flute interval, YL/CC 4FGx2 AM 09-05-2001 Wed 1300
13750	V13	New Star Broadcasting: flute interval, YL/CC 4FGx2 AM 09-05-2001 Wed 1330
13750	V13	YL/CC 4FGx2 AM 09-05-2001 Wed 1400
13750	V13	New Star Broadcasting: flute interval + YL/CC 4FGx3 USB 10-05-2001 Thu 1330
13750	V13	YL/CC 4FGx2 w/flute interval AM 17-05-2001 Thu 1300
13750	V13	YL/CC 4FGx2 AM 17-05-2001 Thu 1330
13750	V13	New Star Broadcasting: flute interval, YL/CC 4FGx2 AM 20-05-2001 Sun 1500
13750	V13	New Star Broadcasting YL/CC 4FGx2 AM 21-05-2001 Mon 1400
13750	V13	New Star Broadcasting YL/CC 4FGx2 AM 23-05-2001 Wed 1300
13750	V13	New Star Broadcasting YL/CC 4FGx2 AM 23-05-2001 Wed 1330
13750	V13	New Star Broadcasting YL/CC 4FGx2 AM 24-05-2001 Thu 1330
13750	V13	New Star Broadcasting w/flute interval AM 25-05-2001
13750	V13	New Star Broadcasting: flute interval, YL/CC 4FGx2 AM 26-05-2001 Sat 1400
13750	V13	New Star Broadcasting YL/CC 4FGx2 AM 29-05-2001 Tue 1400
13750	V13	New Star Broadcasting YL/CC 4FGx2 AM 30-05-2001 Wed 1400
13750	V13	New Star Broadcasting YL/CC 4FGx2 AM 31-05-2001 Thu

1300

13921	E10	CI02 AM 23-05-2001 Wed 1345
13921	E10	CI02 AM 24-05-2001 Thu 2345
13921	E10	CI02 AM 25-05-2001 Fri 0245
13938,0	XPH	msg AM 18-05-2001 Fri 2020 (HFD)
14487	E03	//15682//16084 in progress USB 04-05-2001 Fri 1400
14487	E03	//15682//16084 in progress USB 09-05-2001 Wed 1300
14487	E03	//15682//16084 rptg 50615 USB 09-05-2001 Wed 1400
14487	E03	//15682//16084 in progress USB 10-05-2001 Thu 1400
14487	E03	//15682//16084 in progress USB 11-05-2001 Fri 1400
14487	E03	//15682//16084 in progress USB 17-05-2001 Thu 1200
14487	E03	//15682//16084 rptg 29889 USB 17-05-2001 Thu 1300
14487	E03	//15682//16084 weak USB 17-05-2001 Thu 1400
14487	E03	//15682//16084 in progress USB 19-05-2001 Sat 1300
14487	E03	//11545 rptg 18851 USB 19-05-2001 Sat 1500
14487	E03	//10426//12603 rptg 94435 USB 21-05-2001 Mon 1400
14487	E03	//15682//16084 rptg 68932 USB 23-05-2001 Wed 1300
14487	E03	//15682//16084 rptg 16174 USB 23-05-2001 Wed 1400
14487	E03	//16084 rptg 88407 USB 23-05-2001 Wed 1500
14487	E03	//15682//16084 in progress USB 24-05-2001 Thu 1300
14487	E03	//15682//16084 rptg 58057 USB 24-05-2001 Thu 1400
14487	E03	//16084 in progress USB 29-05-2001 Tue 1300
14487	E03	//12603//16314 rptg 88407 USB 29-05-2001 Tue 1400
14487	E03	//15682//16084 in progress USB 30-05-2001 Wed 1200
14487	E03	//15682 rptg 16174 USB 30-05-2001 Wed 1400
14487	E03	//15682//16084 in progress USB 31-05-2001 Thu 1200
14487	E03	//15682//16084 rptg 29889 USB 31-05-2001 Thu 1300
14487	E03	//15682//16084 rptg 58057 USB 31-05-2001 Thu 1400
14654,0	XPH	msg AM 01-05-2001 Tue 0640 (HFD)
14654,0	XPH	msg AM 29-05-2001 Tue 0640 (HFD)
14739	E05	//16198 rptg 856 Count 215 827/06 AM 04-05-2001 Fri
14739	E05	//16198 rptg 856 Count 215 827/06 AM 15-05-2001 Tue
14739	E05	barely audible; in prog AM 20-05-2001 Sun 1539
14739.2	E05	in prog USB 06-05-2001 Sun 1535
14750	E10	//18176 CI02 AM 09-05-2001 Wed 1345
14750	E10	//18178 CI02 AM 17-05-2001 Thu 1245
14750	E10	CI02 AM 17-05-2001 Thu 1345
14750	E10	CI02 AM 19-05-2001 Sat 1345
14750	E10	SYN2 AM 31-05-2001 Thu 1245
14821	M42	FAPSI. Mazielka calls AM 30-05-2001 Wed 1725 (RH2)
14866	E10	VLB2 AM 19-05-2001 Sat 1345
14866	E10	VLB2 AM 23-05-2001 Wed 1345
14866	E10	VLB2 AM 24-05-2001 Thu 1345
14866	E10	VLB2 USB 25-05-2001 Fri 1910
14866	E10	Israeli Intel. VLB2 AM 28-05-2001 Sat 1508 (RH2)
14866	E10	VLB2 AM 29-05-2001 Tue 1345
14866	E10	VLB2 AM 31-05-2001 Thu 1245
14931.0	M16	8BY 697/384/687/753/033 CW 28-05-2001 Mon 2240

14931.0	M16	8BY 970/099/445/455/626/816 CW 30-05-2001 Wed 2240
14931.0	M16	8BY 793/663/384/080 CW 31-05-2001 Thu 2240
15388	V13	YL/CC 4FGx2 AM 09-05-2001 Wed 1400
15388	V13	YL/CC 4FGx2 w/flute interval AM 17-05-2001 Thu 1300
15388	V13	YL/CC 4FGx2 AM 17-05-2001 Thu 1330
15388	V13	New Star Broadcasting YL/CC 4FGx2 AM 21-05-2001 Mon 1400
15388	V13	New Star Broadcasting YL/CC 4FGx2 AM 23-05-2001 Wed 1300
15388	V13	New Star Broadcasting YL/CC 4FGx2 AM 24-05-2001 Thu 1330
15388	V13	New Star Broadcasting w/flute interval AM 25-05-2001
15388	V13	New Star Broadcasting YL/CC 4FGx2 AM 29-05-2001 Tue 1400
15388	V13	New Star Broadcasting YL/CC 4FGx2 AM 30-05-2001 Wed 1230
15388	V13	New Star Broadcasting YL/CC 4FGx2 AM 30-05-2001 Wed 1400
15388	V13	New Star Broadcasting YL/CC 4FGx2 AM 31-05-2001 Thu 1300
15656	M24	(missed ID, copied preamble) 710x2 89x2 BTx2 CW 09-05-2001 Wed 0004
15656	M24	342 00000 R4 (null sked) CW 16-05-2001 Wed 0000
15656	M24	342 R4 608x2 157x2 BTx2 CW 23-05-2001 Wed 0000
15656	M24	(in progress) BTx2 867x2 159x2 00000 CW 30-05-2001 Wed 0019
15682	E03	//14487//16084 in progress USB 04-05-2001 Fri 1400
15682	E03	//14487//16084 in progress USB 09-05-2001 Wed 1300
15682	E03	//14487//16084 rptg 50615 USB 09-05-2001 Wed 1400
15682	E03	//14487//16084 in progress USB 10-05-2001 Thu 1400
15682	E03	//14487//16084 in progress USB 11-05-2001 Fri 1400
15682	E03	//14487//16084 in progress USB 17-05-2001 Thu 1200
15682	E03	//14487//16084 rptg 29889 USB 17-05-2001 Thu 1300
15682	E03	//14487//16084 weak USB 17-05-2001 Thu 1400
15682	E03	//14487//16084 in progress USB 19-05-2001 Sat 1300
15682	E03	//14487//16084 rptg 68932 USB 23-05-2001 Wed 1300
15682	E03	//14487//16084 rptg 16174 USB 23-05-2001 Wed 1400
15682	E03	//14487//16084 in progress USB 24-05-2001 Thu 1300
15682	E03	//14487//16084 rptg 58057 USB 24-05-2001 Thu 1400
15682	E03	USB 25-05-2001 Fri 1910
15682	E03	//14487//16084 in progress USB 30-05-2001 Wed 1200
15682	E03	//14487 rptg 16174 USB 30-05-2001 Wed 1400
15682	E03	//14487//16084 in progress USB 31-05-2001 Thu 1200
15682	E03	//14487//16084 rptg 29889 USB 31-05-2001 Thu 1300
15682	E03	//14487//16084 rptg 58057 USB 31-05-2001 Thu 1400
15706.0	XPH	msg AM 18-05-2001 Fri 2000 (HFD)
15980	E10	EZI2 AM 19-05-2001 Sat 1330
15980	E10	//17410 EZI2 AM 23-05-2001 Wed 1330

16084	E03	//14487//15682 in progress USB 04-05-2001 Fri 1400
16084	E03	//14487//15682 in progress USB 09-05-2001 Wed 1300
16084	E03	//14487//15682 in progress USB 10-05-2001 Thu 1400
16084	E03	//14487//15682 in progress USB 11-05-2001 Fri 1400
16084	E03	//14487//15682 in progress USB 17-05-2001 Thu 1200
16084	E03	//14487//15682 rptg 29889 USB 17-05-2001 Thu 1300
16084	E03	//14487//15682 weak USB 17-05-2001 Thu 1400
16084	E03	//14487//15682 in progress USB 19-05-2001 Sat 1300
16084	E03	//14487//15682 rptg 68932 USB 23-05-2001 Wed 1300
16084	E03	//14487//15682 rptg 16174 USB 23-05-2001 Wed 1400
16084	E03	//14487 rptg 88407 USB 23-05-2001 Wed 1500
16084	E03	//14487//15682 in progress USB 24-05-2001 Thu 1300
16084	E03	//14487//15682 rptg 58057 USB 24-05-2001 Thu 1400
16084	E03	//14487 in progress USB 29-05-2001 Tue 1300
16084	E03	//14487//15682 in progress USB 30-05-2001 Wed 1200
16084	E03	//14487//15682 in progress USB 31-05-2001 Thu 1200
16084	E03	//14487//15682 rptg 29889 USB 31-05-2001 Thu 1300
16084	E03	//14487//15682 rptg 58057 USB 31-05-2001 Thu 1400
16198	E05	//14739 rptg 856 Count 215 827/06 AM 04-05-2001 Fri
16198	E05	856 count 215 AM 06-05-2001 Sun 1500
16198	E05	//14739 rptg 856 Count 215 827/06 AM 15-05-2001 Tue
16218	M24	715 R4 309x2 155x2 BTx2 CW 10-05-2001 Thu 0000
16218	M24	715 R4 923x2 171x2 BTx2 CW 17-05-2001 Thu 0000
16218	M24	(missed call up, msg in progress) BTx2 431x2 207x2 00000 CW 17-05-2001 Thu 2206
16218	M24	715 00000 R4 CW 24-05-2001 Thu 0000
16218	M24	289 R4 306x2 175x2 BTx2 CW 24-05-2001 Thu 2200
16218	M24	715x3 00000 R4 (null sked) CW 31-05-2001 Thu 0000
16218	M24	289x3 00000 R4 (null sked) CW 31-05-2001 Thu 2200
16218.0	M24	715 715 715 00000 CW 31-05-2001 Thu 0000
16232	M42	FAPSI. msgs on link 60047 RTTY 08-05-2001 Tue 1337
16314	E03	//12603//14487 rptg 88407 USB 29-05-2001 Tue 1400
16332	MX	SLHFM "S" CW 17-05-2001 Thu 1355
16475	E03	USB 24-05-2001 Thu 1835
16572	728	Chinese mil. very strong AM call: 316 316 316 this is 728 728 728 (R5) number 15 count 8 8757 9610 4210 8715 6340 9174 3545 0010 (2 times each group) repeat two times. good bye AM 26-05-2001 Sat 0600 (IB)
17410	E10	//15980 EZI2 AM 23-05-2001 Wed 1330
17410	E10	EZI2 AM 24-05-2001 Thu 1330
17410	E10	EZI2 AM 29-05-2001 Tue 1330
17410	E10	EZI2 AM 30-05-2001 Wed 1230
17491	M24	527x3 00000 R4 CW 05-05-2001 Sat 2110
17491	M24	527x3 00000 R4 (rpt of 2110z sked on 17491m from 5/5/01) CW 06-05-2001 Sun 2110
17491	M24	527 R4 649x2 127x2 BTx2
17491	M24	527 R4 649x2 127x2 BTx2 (5F tfc) CW 13-05-2001 Sun

17491	M24	527 00000 R4 (null sked) CW 19-05-2001 Sat 2110
17491	M24	527 R4 468x2 157x2 BTx2 CW 26-05-2001 Sat 2110
17491	M24	527 R4 468x2 157x2 BTx2 (rpt of Saturday May 26, 2001 sked on same time and freq) CW 27-05-2001 Sun 2110
18176	E10	//14750 CI02 AM 09-05-2001 Wed 1345
18178	E10	CI02 USB 29-04-2001 Sun 1348
18178	E10	//14750 CI02 AM 17-05-2001 Thu 1245
18562	M24	(in progress) 394x2 157x2 00000 CW 08-05-2001 Tue 0008
18562	M24	728 R4 630x2 147x2 BTx2 CW 15-05-2001 Tue 0000
18562	M24	728 R4 905x2 121x2 BTx2 CW 22-05-2001 Tue 0000
18562	M24	728 R4 659x2 123x2 BTx2 CW 29-05-2001 Tue 0000
18649	728	Chinese mil. 316 316 316 this is 728 728 428 (R5). good bye AM 26-05-2001 Sat 0600 (IB)
18864	E04	//24644 weak USB 08-05-2001 Tue 2200
18864	E04	//21866 rptg 88881 USB 08-05-2001 Tue 2300
18864	E04	//21866 in progress USB 09-05-2001 Wed 1300
18864	E04	weak USB 16-05-2001 Wed 2200
18864	E04	in progress USB 17-05-2001 Thu 1200
18864	E04	//21866 rptg 64893 USB 17-05-2001 Thu 1300
18864	E04	//21866 rptg 37957 USB 23-05-2001 Wed 1300
18864	E04	//21866 in progress USB 24-05-2001 Thu 1300
19715	E10	in progress USB 29-04-2001 Sun 1405
19715	E10	EZI (86) BE_US AM 24-05-2001 Thu 1400
21866	E04	//18864 rptg 88881 USB 08-05-2001 Tue 2300
21866	E04	//18864 in progress USB 09-05-2001 Wed 1300
21866	E04	in progress USB 17-05-2001 Thu 0000
21866	E04	//18864 rptg 64893 USB 17-05-2001 Thu 1300
21866	E04	//18864 rptg 37957 USB 23-05-2001 Wed 1300
21866	E04	//18864 in progress USB 24-05-2001 Thu 1300
21866	E04	rptg 19577 USB 24-05-2001 Thu 2300
23940	E10	in progress USB 29-04-2001 Sun 1405
24644	E04	//18864 weak USB 08-05-2001 Tue 2200

# ::: LOGS CONTRIBUTORS

AB	Ary Boender, Netherlands
AF	AF, Germany
ANEUR	Anonymous Europe
BS2	Billy S., OH, USA
BS3	Barry Sanfelder, TN, USA
CG	Costas, Greece
EME	Eric. ME, USA
GG	Gallus Galus, W.Europe
GH	Greg Hajek, ILL, USA
HFD	Hans-Friedrich Dumrese, Germany
IB	Igor Buhtiyarov, Russia
JFS	JFS, Germany
JM4	John Maky, Arkansas, USA

KR	Kurt Rudolph, USA
MS	Mark Slaten, MI, USA
PM	Patrick Mower, CA, USA
PR	Per R., Sweden
PW	Peter, Netherlands
RH3	Robert Hilton, UK
RU	Roy Unger, VA, USA
SUK	Spike, UK
Vambo	Vambo

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